

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/231,565ADATE: 05/01/96  
TIME: 11:15:20

INPUT SET: S10230.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

#10  
B.K. Jenny  
6/21/96

## SEQUENCE LISTING

ENTERED

## (1) General Information:

(i) APPLICANTS: KAWAKAMI, YUTAKA; ROSENBERG,  
STEVEN A.(ii) TITLE OF INVENTION: MELANOMA ANTIGENS AND  
THEIR USE IN DIAGNOSTIC AND THERAPEUTIC  
METHODS

(iii) NUMBER OF SEQUENCES: 43

## (iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: MORGAN &amp; FINNEGAN

(B) STREET: 345 PARK AVENUE

(C) CITY: NEW YORK

(D) STATE: NEW YORK

(E) COUNTRY: USA

(F) ZIP: 10154

## (v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: FLOPPY DISK

(B) COMPUTER: IBM PC COMPATIBLE

(C) OPERATING SYSTEM: PC-DOS/MS-DOS

(D) SOFTWARE: ASCII

## (vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 08/231,565

(B) FILING DATE: 22-APR-1994

(C) CLASSIFICATION:

## (viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: CAROL M. GRUPPI

(B) REGISTRATION NUMBER: 37,341

(C) REFERENCE/DOCKET NUMBER: 2026-4124

## (ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (212) 758-4800

(B) TELEFAX: (212) 751-6849

(C) TELEX: 421792

## (2) INFORMATION FOR SEQ ID NO:1:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1559

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47 (B) TYPE: NUCLEOTIDE  
48 (C) STRANDEDNESS: DOUBLE  
49 (D) TOPOLOGY: UNKNOWN  
50

51 (ii) MOLECULE TYPE: cDNA  
52  
53  
54  
55  
56  
57  
58  
59

60 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
61  
62

63	AGCAGACAGA GGACTCTCAT TAAGGAAGGT GTCCTGTGCC	40
64		
65	CTGACCCTAC AAGATGCCAA GAGAAGATGC TCACTTCATC	80
66		
67	TATGGTTACC CCAAGAAGGG GCACGGCCAC TCTTACACCA	120
68		
69	CGGCTGAAGA GGCCGCTGGG ATCGGCATCC TGACAGTGAT	160
70		
71	CCTGGGAGTC TTA CTGCTCA TCGGCTGTTG GTATTGTAGA	200
72		
73	AGACGAAATG GATACAGAGC CTTGATGGAT AAAAGTCTTC	240
74		
75	ATGTTGGCAC TCAATGTGCC TTAACAAGAA GATGCCCACA	280
76		
77	AGAAGGGTTT GATCATCGGG ACAGCAAAGT GTCTCTTCAA	320
78		
79	GAGAAAAACT GTGAACCTGT GGTTCCTCAAT GCTCCACCTG	360
80		
81	CTTATGAGAA ACTCTCTGCA GAACAGTCAC CACCACCTTA	400
82		
83	TTCACCTTAA GAGCCAGCGA GACACCTGAG ACATGCTGAA	440
84		
85	ATTATTTCTC TCACACTTTT GCTTGAATTT AATACAGACA	480
86		
87	TCTAATGTTC TCCTTTGGAA TGGTGTAGGA AAAATGCAAG	520
88		
89	CCATCTCTAA TAATAAGTCA GTGTTAAAAAT TTTAGTAGGT	560
90		
91	CCGCTAGCAG TACTAATCAT GTGAGGAAAT GATGAGAAAT	600
92		
93	ATTAAATTGG GAAAACTCCA TCAATAAATG TTGCAATGCA	640
94		
95	TGATACTATC TGTGCCAGAG GTAATGTTAG TAAATCCATG	680
96		
97	GTGTTATTTT CTGAGAGACA GAATTCAAGT GGGTATTCTG	720
98		
99	GGGCCATCCA ATTTCTCTTT ACTTGAAATT TGGCTAATAA	760

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100		
101	CAAAC TAGTC AGGTTTTCGA ACCTTGACCG ACATGAACTG	800
102		
103	TACACAGAAT TGTTC CAGTA CTATGGAGTG CTCACAAAGG	840
104		
105	ATACTTTTAC AGGTTAAGAC AAAGGGTTGA CTGGCCTATT	880
106		
107	TATCTGATCA AGAACATGTC AGCAATGTCT CTTTGTGCTC	920
108		
109	TAAAATTCTA TTATACTACA ATAATATATT GTAAAGATCC	960
110		
111		
112		
113		
114		
115		
116		
117		
118	TATAGCTCTT TTTTTTTGAG ATGGAGTTTC GCTTTTGTTG	1000
119		
120	CCCAGGCTGG AGTGCAATGG CGCGATCTTG GCTCACCATA	1040
121		
122	ACCTCCGCCT CCCAGGTTCA AGCAATTCTC CTGCCTTAGC	1080
123		
124	CTCCTGAGTA GCTGGGATTA CAGGCGTGCG CCACTATGCC	1120
125		
126	TGACTAATTT TGTAGTTTTA GTAGAGACGG GGTTCCTCCA	1160
127		
128	TGTTGGTCAG GCTGGTCTCA AACTCCTGAC CTCAGGTGAT	1200
129		
130	CTGCCCCGCT CAGCCTCCCA AAGTGCTGGA ATTACAGGCG	1240
131		
132	TGAGCCACCA CGCCTGGCTG GATCCTATAT CTTAGGTAAG	1280
133		
134	ACATATAACG CAGTCTAATT ACATTTCACT TCAAGGCTCA	1320
135		
136	ATGCTATTCT AACTAATGAC AAGTATTTTC TACTAAACCA	1360
137		
138	GAAATTGGTA GAAGGATTTA AATAAGTAAA AGCTACTATG	1400
139		
140	TACTGCCTTA GTGCTGATGC CTGTGTACTG CCTTAAATGT	1440
141		
142	ACCTATGGCA ATTTAGCTCT CTTGGGTTCC CAAATCCCTC	1480
143		
144	TCACAAGAAT GTGCAGAAGA AATCATAAAG GATCAGAGAT	1520
145		
146	TCTGAAAAAA AAAAAAAAAA AAAAAAAAAA AAAAAAAAAA	1559
147		
148		

(2) INFORMATION FOR SEQ ID NO:2:

(1) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 118

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153 (B) TYPE: amino acid  
154 (C) STRANDEDNESS: Unknown  
155 (D) TOPOLOGY: Unknown  
156  
157 (ii) MOLECULE TYPE: Protein  
158  
159 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
160  
161  
162 Met Pro Arg Glu Asp Ala His Phe Ile Tyr Gly Tyr Pro Lys  
163 1 5 10  
164  
165 Lys Gly His Gly His Ser Tyr Thr Thr Ala Glu Glu Ala Ala  
166 15 20 25  
167  
168  
169  
170  
171  
172  
173  
174  
175 Gly Ile Gly Ile Leu Thr Val Ile Leu Gly Val Leu Leu Leu  
176 30 35 40  
177  
178 Ile Gly Cys Trp Tyr Cys Arg Arg Arg Asn Gly Tyr Arg Ala  
179 45 50 55  
180  
181 Leu Met Asp Lys Ser Leu His Val Gly Thr Gln Cys Ala Leu  
182 60 65 70  
183  
184 Thr Arg Arg Cys Pro Gln Glu Gly Phe Asp His Arg Asp Ser  
185 75 80  
186  
187 Lys Val Ser Leu Gln Glu Lys Asn Cys Glu Pro Val Val Pro  
188 85 90 95  
189  
190 Asn Ala Pro Pro Ala Tyr Glu Lys Leu Ser Ala Glu Gln Ser  
191 100 105 110  
192  
193 Pro Pro Pro Tyr Ser Pro  
194 115  
195  
196  
197 (2) INFORMATION FOR SEQ ID NO:3:  
198  
199 (i) SEQUENCE CHARACTERISTICS:  
200 (A) LENGTH: 9  
201 (B) TYPE: amino acid  
202 (C) STRANDEDNESS: Unknown  
203 (D) TOPOLOGY: Unknown  
204  
205 (ii) MOLECULE TYPE: Peptide

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206  
207 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
208

209  
210 Thr Thr Ala Glu Glu Ala Ala Gly Ile  
211 1 5  
212

213  
214 (2) INFORMATION FOR SEQ ID NO:4:  
215

216 (i) SEQUENCE CHARACTERISTICS:  
217 (A) LENGTH: 9  
218 (B) TYPE: amino acid  
219 (C) STRANDEDNESS: Unknown  
220 (D) TOPOLOGY: Unknown  
221

222 (ii) MOLECULE TYPE: Peptide  
223

224 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
225

226  
227  
228  
229  
230  
231  
232  
233 Ala Ala Gly Ile Gly Ile Leu Thr Val  
234 1 5  
235

236  
237 (2) INFORMATION FOR SEQ ID NO:5:  
238

239 (i) SEQUENCE CHARACTERISTICS:  
240 (A) LENGTH: 9  
241 (B) TYPE: amino acid  
242 (C) STRANDEDNESS: Unknown  
243 (D) TOPOLOGY: Unknown  
244

245 (ii) MOLECULE TYPE: Peptide  
246

247 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
248

249  
250 Gly Ile Gly Ile Leu Thr Val Ile Leu  
251 1 5  
252

253  
254 (2) INFORMATION FOR SEQ ID NO:6:  
255

256 (i) SEQUENCE CHARACTERISTICS:  
257 (A) LENGTH: 9  
258 (B) TYPE: amino acid

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/231,565A**

DATE: 05/01/96  
TIME: 11:15:45

*INPUT SET: S10230.raw*

Line

Error

Original Text